Mathew G. Mrosko

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OBJECTIVE

Dedicated Embedded Systems Engineer pursuing a challenging and rewarding development position.

EDUCATION

Bachelor of Science, Computer Science
University of California at Riverside
Riverside, CA

COMPUTER SKILLS

Languages & Software: C/C++, linux device drivers, Bash/sh scripting, git, apache, php, xkcd, sed/awk, JIRA, Bugzilla, Jenkins, LaTeX
Operating Systems: Linux (Debian, Ubuntu, minimal Arch experience), Windows XP

EXPERIENCE

JetHead Development, Inc., Carlsbad, CA   July 2005 - Present

Senior Software Engineer   January 2012 - Present
- Lead small team in porting and new development of linux device drivers for digital set top boxes.
- Work directly with manager for planning, scheduling, and tasking of engineers.
- Lead other engineers, reviewing code, writing new code, testing, debugging and bug fixing.
- Drive development through multiple fast deadlines for multiple demos.
- Integrated new tuning solution on reference platforms and new hardware.

Configuration Management Team Technical Lead   Fall 2011 - Present
- Organize weekly meetings for CM engineers across teams.
- Advise cross-team CM leads on company-wide decisions regarding CM infrastructure.
- Deploy gitweb+gitolite for entire company.

Driver Team Lead   Winter 2008
- Directly communicate between high-level management of outside clients.
- Manage driver portion of development work on new and existing set top box platforms.
- Linux device driver maintenance on multiple deployed set top box platforms.
- Automated/scripted code review of multiple vendors' patch submission.
- Deployed git for a small team, and laid groundwork for the entire company to move from svn to git.
- Wrote procedures and documentation integral to managing large volume of change-sets from multiple vendors.

Driver Team Staff Engineer   Summer 2005
- Initial code and unit testing for pre-release hardware.
- Trick modes code using multiple security APIs for demo.
- Experiment with potential watermarking (fingerprinting) options.
- Test plan development for use-case testing of client/server software.

sw33t Graphic Design, Apple Valley, CA
Software Consultant   June 2007 - June 2008

- Design and write WordPress plugins for custom client-requested features.
- Work with owner/graphics designer on use cases, layout, and deployment.
- Manage shared hosting server.

OTHER

Falcon Pi Player
Contribute to Open Source project for playing back sequence data on a Raspberry Pi.
RFPixelControl
Contribute to Open Source project for Arduino clones using Nordic nRF wireless modules.
Chumby hacking
Import and hack on Chumby kernel code for small home-projects.
Sprinkler Controller
Designed a custom sprinkler controller to control 24V A/C solenoids using RS-485.

LINKS

GitHub - `https://github.com/Materdaddy`
LinkedIn - `http://www.linkedin.com/in/matmrosko/`